

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APRIL 01, 1999

PTAS

GRAHAM & JAMES LLP  
MARC A. SOCKOL, ESQ.  
600 HANSEN WAY  
PALO ALTO, CA 94304-1043

\*100929942A\*

**COPY**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/15/1998

REEL/FRAME: 9656/0220  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

HAQ, EJAZ UL

DOC DATE: 04/06/1998

## ASSIGNEE:

JAZIO, INC.  
864 TALISMAN DRIVE  
SUNNYVALE 94087SERIAL NUMBER: 09057158  
PATENT NUMBER:FILING DATE: 04/07/1998  
ISSUE DATE:SHARMALLA COATES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDSDATES ENTERED: No Action

APR 12 1999

BY Kum CALENDAR  
ATTORNEY

GRAHAM &amp; JAMES (PA) IP DEPT.

## COMBINED DECLARATION FOR PATENT APPLICATION &amp; POWER OF ATTORNEY

DOCKET NO.: 49259.00002

**COPY**

As a below named inventor, I hereby declare that:

The information given herein is true;

My residence, post office address and citizenship are as stated below next to my name;  
 I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL,  
 FIRST AND JOINT INVENTOR (if plural names are listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND  
 FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

High Speed Source Synchronous Signaling For Interfacing VLSI  
 CMOS Circuits To Transmission Lines

the specification of which (check only one item below):

- ☒ is attached hereto;  
☐ was filed on \_\_\_\_\_ United States  
 Application Serial No. \_\_\_\_\_  
 and was amended on \_\_\_\_\_ (if applicable).  
☐ was filed on \_\_\_\_\_ as PCT International  
 Application Serial No. \_\_\_\_\_  
 and was amended under PCT Article 19 \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the content of the above-identified specification, including the claims, as  
 amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37,  
 Code of Federal Regulations Section 1.56(a).

I hereby claim the benefit under Title 35, United States, §119(e) of any United States provisional application(s) listed below.

High Speed Source Synchronous Signaling for  
 Interfacing VLSI CMOS Circuits to Transmission Lines  
 (Title)

3/16/98  
 (Filing Date)


Ejaz Ul Haq  
 Inventor

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or  
 inventor's certificate or any PCT international application(s) designating at least one country other than the United States of  
 America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT  
 international application(s) designating at least one country other than the United States of America having a filing date before that  
 of the application(s) on which priority is claimed.

FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 (6 if a Design) MONTHS PRIOR TO THE FILING DATE OF THIS  
 APPLICATION THE PRIORITY OF WHICH WHERE PERMITTED IS HEREBY CLAIMED UNDER 35 U.S.C. SEC. 119.

COUNTRY	APPLICATION OF NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)	PRIORITY CLAIMED	
				<input type="checkbox"/> yes	
				<input type="checkbox"/> yes	
				<input type="checkbox"/> yes	

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or PCT international  
 application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the  
 claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35,  
 United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal  
 Regulations, Section 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international  
 filing date of this application.

COMBINED DECLARATION FOR PA1 APPLICATION & POWER OF ATTORNEY - Continued				ATTORNEY'S DOCKET NO: 49259.00002	
U.S. APPLICATION NO.		U.S. FILING DATE		PATENTED	
				PENDING	
				ABANDONED	
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLICATION NO.		PCT FILING DATE		U.S. SERIAL NUMBERS	
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or Agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. David L. Fehrman, Reg. No. 28,600; David L. Henty, Reg. No. 31,323; William J. Robinson, Reg. No. 29,430; Stuart L. Merkadeau, Reg. No. 33,262; David B. Abel Reg. No. 32,394; Hisako Muramatsu, Reg. No. 34,955; Brian M. Berliner, Reg. No. 34,549; David J. Meyer, Reg. No. 33,425; Vincent J. Belusko, Reg. No. 30,820; Minda Schechter, Reg. No. 38,296; William G. Anderson, Reg. No. 27,851; Victor De Gyrfas, Reg. No. 40,583; Dennis R. Gallagher, Reg. No. 42,563; Jonathan L. Pettit, Reg. No. 40,770; Wayne Smith, Reg. No. 42,160; Lawrence W. Granatelli, Reg. No. 32,228; Laura A. Majerus, Reg. No. 33,417; Joseph K. Hollinger Reg. No. 40,649; Jonathan T. Kaplan Reg. No. 38,935; Marc Sockol Reg. No. 40,823; Ian Cartier, Reg. No. 38,406; Linda Beach Reg. No. 36,446.					
Send correspondence to		GRAHAM & JAMES LLP 600 Hansen Way Palo Alto, CA 94304-1043		Direct Phone Calls To: Lawrence Granatelli 650-856-6500	
1	FULL NAME OF INVENTOR	LAST NAME HAQ	FIRST NAME EJAZ	MIDDLE NAME UL	
	RESIDENCE & CITIZENSHIP	CITY SUNNYVALE	STATE OR FOREIGN COUNTRY CALIFORNIA	COUNTRY OF CITIZENSHIP U.S.	
	POST OFFICE ADDRESS	STREET 864 TALISMAN DRIVE	CITY SUNNYVALE	STATE OR COUNTRY CALIFORNIA	94087
2	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
3	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
4	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.					
SIGNATURE OF INVENTOR 1 		SIGNATURE OF INVENTOR 2		SIGNATURE OF INVENTOR 3	
DATE 4-6-1998		DATE		DATE	

<b>VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) AND 1.27 (b)) - INDEPENDENT INVENTOR</b>			Docket No. <b>49259.00002</b>
Serial No. <b>Unassigned</b>	Filing Date <b>Unassigned</b>	Patent No. <b>Unassigned</b>	Issue Date <b>Unassigned</b>
Applicant/ <b>Ejaz Ul Haq</b> Patentee:			
Invention: <b>High Speed Source Synchronous Signaling for Interfacing VLSI CMOS Circuits to Transmission Lines</b>			
<b>COPY</b>			
<p>As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled above and described in:</p> <p><input checked="" type="checkbox"/> the specification to be filed herewith. <input type="checkbox"/> the application identified above. <input type="checkbox"/> the patent identified above.</p> <p>I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).</p> <p>Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:</p> <p><input checked="" type="checkbox"/> No such person, concern or organization exists. <input type="checkbox"/> Each such person, concern or organization is listed below.</p> <p><b>*NOTE:</b> Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities (37 CFR 1.27)</p> <div style="margin-top: 10px;"><div style="display: flex; justify-content: space-between;"><div style="width: 20%;">FULL NAME</div><div style="width: 80%; border-bottom: 1px solid black;"></div></div><div style="display: flex; justify-content: space-between;"><div style="width: 20%;">ADDRESS</div><div style="width: 80%; border-bottom: 1px solid black;"></div></div><div style="display: flex; justify-content: space-around; margin-top: 5px;"><input type="checkbox"/> Individual<input type="checkbox"/> Small Business Concern<input type="checkbox"/> Nonprofit Organization</div><div style="margin-top: 10px;"><div style="display: flex; justify-content: space-between;"><div style="width: 20%;">FULL NAME</div><div style="width: 80%; border-bottom: 1px solid black;"></div></div><div style="display: flex; justify-content: space-between;"><div style="width: 20%;">ADDRESS</div><div style="width: 80%; border-bottom: 1px solid black;"></div></div><div style="display: flex; justify-content: space-around; margin-top: 5px;"><input type="checkbox"/> Individual<input type="checkbox"/> Small Business Concern<input type="checkbox"/> Nonprofit Organization</div><div style="margin-top: 10px;"><div style="display: flex; justify-content: space-between;"><div style="width: 20%;">FULL NAME</div><div style="width: 80%; border-bottom: 1px solid black;"></div></div><div style="display: flex; justify-content: space-between;"><div style="width: 20%;">ADDRESS</div><div style="width: 80%; border-bottom: 1px solid black;"></div></div><div style="display: flex; justify-content: space-around; margin-top: 5px;"><input type="checkbox"/> Individual<input type="checkbox"/> Small Business Concern<input type="checkbox"/> Nonprofit Organization</div></div></div></div>			

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF INVENTOR Ejaz UI HaqSIGNATURE OF INVENTOR 

DATE:

4-6-1998

NAME OF INVENTOR \_\_\_\_\_

SIGNATURE OF INVENTOR \_\_\_\_\_

DATE: \_\_\_\_\_

NAME OF INVENTOR \_\_\_\_\_

SIGNATURE OF INVENTOR \_\_\_\_\_

DATE: \_\_\_\_\_

NAME OF INVENTOR \_\_\_\_\_

SIGNATURE OF INVENTOR \_\_\_\_\_

DATE: \_\_\_\_\_

NAME OF INVENTOR \_\_\_\_\_

SIGNATURE OF INVENTOR \_\_\_\_\_

DATE: \_\_\_\_\_

NAME OF INVENTOR \_\_\_\_\_

SIGNATURE OF INVENTOR \_\_\_\_\_

DATE: \_\_\_\_\_

NAME OF INVENTOR \_\_\_\_\_

SIGNATURE OF INVENTOR \_\_\_\_\_

DATE: \_\_\_\_\_

NAME OF INVENTOR \_\_\_\_\_

SIGNATURE OF INVENTOR \_\_\_\_\_

DATE: \_\_\_\_\_

NAME OF INVENTOR \_\_\_\_\_

SIGNATURE OF INVENTOR \_\_\_\_\_

DATE: \_\_\_\_\_

NAME OF INVENTOR \_\_\_\_\_

SIGNATURE OF INVENTOR \_\_\_\_\_

DATE: \_\_\_\_\_

# ASSIGNMENT

Attorney Docket No. 49259.00002

(1) Ejaz Ul Haq (5) \_\_\_\_\_  
 (1-8) Insert Name(s) of Inventor(s) (2) \_\_\_\_\_ (6) \_\_\_\_\_  
 (3) \_\_\_\_\_ (7) \_\_\_\_\_  
 (4) \_\_\_\_\_ (8) \_\_\_\_\_

For good and valuable consideration receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to:

(9) Insert name of Assignee (9) Jazio, Inc.  
 (10) Insert state of incorporation of Assignee (10) California  
 (11) Insert address of Assignee (11) of 864 Talisman Drive, Sunnyvale, CA 94087  
 (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as  
 (12) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (12) High Speed Signaling for Interfacing VLSI CMOS Circuits  
 (Case No. 49259.00002) (Serial No. 09/057,158) for which the undersigned has (have) executed an application for patent in United States of America  
 (13) Insert Date of Signing of Application (13) on 4/6/98

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s)

David L. Fehrman, Reg. No. 28,600; David L. Henty, Reg. No. 31,323; William J. Robinson, Reg. No. 29,430; Stuart L. Merkadeau, Reg. No. 33,262; David B. Abel Reg. No. 32,394; Hisako Muramatsu, Reg. No. 34,955; Brian M. Berliner, Reg. No. 34,549; David J. Meyer, Reg. No. 33,425; Vincent J. Belusko, Reg. No. 30,820; Minda Schechter, Reg. No. 38,296; Victor De Gyarfas, Reg. No. 40,583; Dennis R. Gallagher, Reg. No. 42,563; Wayne Smith, Reg. No. 42,160; Stefan J. Kirchanski, Reg. No. 36,568; Lawrence W. Granatelli, Reg. No. 32,228; Laura A. Majerus, Reg. No. 33,417; Joseph K. Hollinger Reg. No. 40,649; Marc A. Sockol Reg. No. 40,823; Linda Beach Reg. No. 36,446; Hamohinder S. Bedi Reg. No. 39,904; Benjamin Rubin Reg. No. P44,310; Leah Sherry Reg. No. P43,918.

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date DEC. 10 1998 Name of Inventor(s) [Signature]  
 Date \_\_\_\_\_ Name of Inventor(s) \_\_\_\_\_  
 Date \_\_\_\_\_ Name of Inventor(s) \_\_\_\_\_  
 Date \_\_\_\_\_ Name of Inventor(s) \_\_\_\_\_  
 Date \_\_\_\_\_ Name of Inventor(s) \_\_\_\_\_



100929942

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ejaz Ul Haq

2. Name and address of receiving party(ies):

Name: Jazio, Inc.

Address: 864 Talisman Drive

Additional names(s) of conveying party(ies)

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

City: Sunnyvale

State/Prov.: CA

Country: USA

ZIP: 94087

Execution Date: April 6, 1998

Additional name(s) & address(es)

☐ Yes

☐ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

09/057,158

April 7, 1998

02/17/1998 ABRAHAM 00000189 09057158

1 FC:581

40.00 OP

Additional numbers

☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Marc A. Sockol, Esq.

Registration No. 40,823

Address: Graham & James LLP

600 Hansen Way

City: Palo Alto

State/Prov.: CA

Country: USA

ZIP: 94304-1043

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

05-0150

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Marc A. Sockol

Name of Person Signing

Signature

2

Date

Total number of pages including cover sheet, attachments, and